

## ABSTRACT OF THE DISCLOSURE

A rotating electric machine having a plurality of ventilating passages formed between a stator frame and a stator iron core, a cooler which cools a coolant is provided at least in one ventilating passage, communicating with a central portion of the stator iron core, of the plurality of ventilating passages, and a ventilating circuit in which the coolant cooled by the cooler is allowed to flow to the central portion of the stator iron core in a direction from an outer peripheral side to an inner peripheral side of the stator iron core via the at least one ventilating passage which communicates with the central portion of the stator iron core.